

**FACILITY COMPLIANCE AUDIT REPORT****Division of Waste Management
Solid Waste Section****UNIT TYPE:**

Lined MSWLF		LCID		YW		Transfer		Compost		SLAS		COUNTY: Stokes PERMIT NO.: Structural Fill (none) FILE TYPE: COMPLIANCE
Closed MSWLF		HHW		White goods		Incin		T&P		FIRM		
CDFL		Tire T&P / Collection		Tire Monofill		Industrial Landfill	X	DEMO		SDTF		

Date of Audit: March 19, 2010**Date of Last Audit:** March 25, 2009**FACILITY NAME AND ADDRESS:**

Duke Energy Corporation
Belews Creek Steam Station
Structural Fill Facility
Pine Hall Road
Belews Creek, NC 27009

GPS COORDINATES: N: 36.28569 E: -80.06540**FACILITY CONTACT NAME AND PHONE NUMBER:**

Melonie Martin, Environmental Coordinator
w. 336-445-0610
c. 336-669-2994
f. 336-445-0423
mymartin@duke-energy.com

FACILITY CONTACT ADDRESS:

Duke Energy Corporation
Melonie Martin, Environmental Coordinator
3195 Pine Hall Road
Belews Creek, NC 27009

AUDIT PARTICIPANTS:

John Patrone, NCDENR – Solid Waste Section (SWS)
Randy Price, Duke Energy Corporation - Coal Equipment Owner
Melonie Martin, Duke Energy Corporation - Environmental Coordinator
Rick Hunsucker, Duke Energy Corporation - Plant Supervisor

STATUS OF PERMIT:

None - Structural Fill Facility

PURPOSE OF AUDIT:

Comprehensive Audit to ensure that the Structural Fill Facility is in compliance with 15A North Carolina Administration Code (NCAC) 13B. 1700, "Requirements For Beneficial Use Of Coal Combustion By-Products."

NOTICE OF VIOLATION(S):

None

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You are hereby advised that, pursuant to N.C.G.S. 130A-22, an administrative penalty of up to \$15,000 per day may be assessed for each violation of the Solid Waste Statute or Regulations. For the violation(s) noted here, you may be subject to enforcement actions including penalties, injunction from operation of a solid waste management facility or a solid waste collection service and any such further relief as may be necessary to achieve compliance with the North Carolina Solid Waste Management Act and Rules.

STATUS OF PAST NOTED VIOLATION(S):

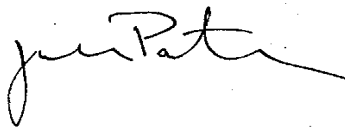
None

AREAS OF CONCERN AND COMMENTS:

On March 19, 2010, John Patrone met with Randy Price, Melonie Martin, and Rick Hunsucker to conduct a comprehensive audit of the Duke Energy Corporation, Belews Creek Steam Station Structural Fill Facility in Belews Creek, Stokes County.

1. The Duke Energy Corporation - Belews Creek Steam Station has completed construction of a structural fill project off of Pine Hall Road diagonally across from the Pine Hall Road Ash Landfill (85-03).
2. The structural fill project was completed ~ June 2009. Mr. Price and Ms. Martin were reminded that the facility must be used for its intended purpose of a parking lot or other beneficial end use as per 15A NCAC 13B .1701(4).
3. Coal combustion by-products utilized on exterior slopes of the structural fill facility shall not have a slope greater than a 3:1 ratio as per 15A NCAC 13B .1705(l).
4. The facility shall be covered with a minimum of 12-inches compacted earth and an additional 6-inches of surface soil capable of supporting native vegetation as per 15A NCAC 13B .1705(j).
5. Coal combustion by-product placement has ceased and the final cover has been applied. Native vegetation has taken-root atop the structural fill/cover. Mr. Price stated that the structural fill project is used as a parking lot and (construction) staging area.
6. Certification shall be submitted to the SWS within 30 days of application for final cover as per 15A NCAC 13B .1706(d) that all requirements of the rules pertaining to 15A NCAC 13B .1700 have been met. Contact Larry Frost (SWS – Environmental Engineer) to discuss submission of the required certification.
7. The amount of coal combustion by-products received at the facility for the period of July 1, 2008 through June 31, 2009 is 160,473.49 tons.
8. The Duke Energy Corporation submitted: TCLP analysis for the last three sampling events (10/31/07, 08/01/08, and 05/04/09), compaction test results for all lifts constructed since July 1, 2008, and Division of Water Quality (DWQ) National Pollutant Discharge Elimination System (NPDES) stormwater records for the last six (6) months. The records were received by this office on May 13, 2009.
9. The erosion and sedimentation control plan Certificate Of Plan Approval was verified for the Belews Creek Steam Station Ash Landfill Project (Stoke-2005-010), approved/revised 06/06/06.

Please contact me if you have any questions or concerns regarding this audit report.



John Patrone
Environmental Senior Specialist
Regional Representative

Phone: 336-771-5095 Fax: 336-771-4631

Delivered on : March 24, 2010 by		Hand delivery	X	US Mail		Certified No. <u> </u>
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cc: Mark Poindexter, Field Operations Branch Supervisor
Jason Watkins, District Supervisor
Donald Herndon, Compliance Officer
Larry Frost – Environmental Engineer